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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/759,264	01/20/2004	Chaucer Chiu	TAIW 205	6867

7590 07/16/2007  
RABIN & CHAMPAGNE, P.C.  
Suite 500  
1101 14 Street, N.W.  
Washington, DC 20005

EXAMINER
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OMOTOSHO, EMMANUEL

ART UNIT	PAPER NUMBER
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3714

MAIL DATE	DELIVERY MODE
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07/16/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/759,264	CHIU ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Emmanuel Omotosho	3714	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 22 July 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Information Disclosure Statement***

1. The applicant's field of endeavor, *Simulation Game with Geographical Information*, contains numerous prior arts pertinent to what is currently being claimed. The examiner is uncertain as to why there is no IDS entry from the applicant. In addition to the next response, the applicant is highly encouraged to put on record pertinent references.

### ***Claim Objections***

2. Claims 2 and 6 are objected to because of the following informalities: the word "a" is missing in front of "vector layer" and "grid layer". Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:  
  
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
4. Claim 1 recites the limitations "character coordinate data" and "event coordinate data" There is insufficient antecedent basis for these limitations in the claim.
5. Claim 5 recites the limitations "character coordinate data", "map layer data", "vector layer data", "grid layer data" and "background objects". There is insufficient antecedent basis for these limitations in the claim.

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***Examiner's Position***

6. On page 4 of the applicant's specification, applicant admitted prior art that Geographical Information System is known in the field of computer science. It is to the examiner's understanding that a **geographic Information System (GIS)** is a system for capturing, storing, analyzing and managing data and associated attributes that are spatially referenced to the earth. In the strictest sense, it is a computer system capable of integrating, storing, editing, analyzing, sharing, and displaying geographically-referenced information. In a more generic sense, GIS is a tool that allows users to create interactive queries (user created searches), analyze the spatial information, edit data, maps, and present the results of all these operations using vector data, grid/topological modeling and map overlays  
([http://en.wikipedia.org/wiki/Geographic\\_information\\_system](http://en.wikipedia.org/wiki/Geographic_information_system)).

***Claim Rejections - 35 USC § 102***

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Wang et al. ("Wang") US Patent No. 6,716,106 B2.

Wang discloses a simulation system:

9. Claims 1,5,8: integrating geographical information provided by a geographical information system for forming a game background and creating game course

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interaction (Par 2 lines 38-44). A manipulation displaying module, displaying a game background according to a move signal generated by a manipulation action, and operating a game course according to a trigger signal generated by another manipulation action (Par 5 lines 55-60). A logic computing module, receiving a move signal and performing logic computing of character coordinate data and a corresponding display area respectively, and further receiving a trigger signal and performing logic computing of corresponding event coordinate data (Fig 4 El. 410,412). A geographical information system, providing map layer data according to the display area and performing geographical information analysis corresponding to the event coordinate data (Par 2 lines 38-44). A geographical information database, storing the map layer data corresponding to the display area and the geographical information corresponding to the event coordinate data (Par 2 lines 38-44, Par 5 lines 15-20, 50-50). A game database, storing a plurality of game course sequences corresponding to the event coordinate data, and a plurality of background object data corresponding to the display area (Par 3 lines 48-55). A background generator module, receiving the map layer data to perform stacking logic computing and generate the game background, and further executing a game course sequence according to event coordinate data (Par 3 lines 35-55, Par 5 lines 15-20).

10. Claims 2,6: map layer data comprises at least a vector layer data and a grid layer data (Par 2 lines 38-44).

11. Claims 3,10: wherein the geographical information analysis comprises at least a buffer zone analysis, a route analysis, a space topology analysis, a slope inclination

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analysis, a 3-dimensions view analysis or a tendency forecast analysis (Par 3 lines 5-18, 30-55).

12. Claims 4,7: wherein the display area is a maximal visible area from the character coordinate data (Fig 1D, Fig 2).

13. Claim 9: comprising reading and executing a preset game course sequence corresponding to the event coordinate data when the event coordinate data correspond to a game course event (Par 3 lines 35-55, Par 5 lines 15-20).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emmanuel Omotosho whose telephone number is (571) 272-3106. The examiner can normally be reached on m-f 10-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pezzuto can be reached on (571) 272-6996. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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EO

*Ronald Laneau*  
RONALD LANEAU  
PRIMARY EXAMINER

7/6/07